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SAM4s ER-900 Series

# *PC Utility* User's Manual



Version 1.0

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Revision 2.0 - April 1, 2005

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# Introduction

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## About the ER-900 PC Utility

The ER-900 Series PC Utility provides basic PC communication functions for SAM4s ER-900 series ECRs: ER-920, ER-940, ER-925, and ER-945. This utility was designed primarily as a dealer tool - to save, edit, and download programs.

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**Note: The ER-900 Series PC Utility supports only direct onsite connection to the ECR. Modem communications are not supported.**

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## ER-900 PC Utility Features

- Support Multiple Stores
- Save and Load ECR programs
- Convert & Download Logo Bitmaps
- Edit ECR programs

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**Note: The ER-900 Series PC Utility was developed to work best with a screen resolution of at least 1024 x 768 pixels.**

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# Getting Started

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## Setting the ER-900 RS-232C Ports

You must define the device(s) attached to the RS-232C communications ports, and the options for the device(s).

1. Turn the control lock to the **S** position.
2. Enter **8 0** (enter **8 1** to program the second port; **8 2** for the optional third port; and **8 3** for the optional fourth port) and press the **SUBTL** key.
3. Enter **5** and press the **X/TIME** key. (The complete RS-232C option chart follows for your reference.)
4. Enter **1** (the value for PC) and press the **CASH** key.
5. Repeat from step 2 for additional options you wish to program.
6. Press **CASH** to exit the program.

Port 1  
(standard)



Port 2  
(standard)



Port 3  
(option)



Port 4  
(option)



## RS-232 Option Chart

| Address   | Option                    | Value         | Selection                      |
|-----------|---------------------------|---------------|--------------------------------|
| <b>1</b>  | Baud Rate                 | <b>0</b>      | 9600 BPS                       |
|           |                           | <b>1</b>      | 1200 BPS                       |
|           |                           | <b>2</b>      | 2400 BPS                       |
|           |                           | <b>3</b>      | 4800 BPS                       |
|           |                           | <b>4</b>      | 19200 BPS                      |
|           |                           | <b>5</b>      | 38,200 BPS                     |
|           |                           | <b>6</b>      | 57,600 BPS                     |
|           |                           | <b>7</b>      | 115,200 BPS                    |
| <b>2</b>  | Parity                    | <b>0</b>      | NONE                           |
|           |                           | <b>1</b>      | ODD                            |
|           |                           | <b>2</b>      | EVEN                           |
| <b>3</b>  | Data Bits                 | <b>0</b>      | 8 BITS                         |
|           |                           | <b>1</b>      | 7 ITS                          |
| <b>4</b>  | Stop Bits                 | <b>0</b>      | 1 BIT                          |
|           |                           | <b>1</b>      | 2 BIT                          |
| <b>5</b>  | Device Function           | <b>0</b>      | NONE                           |
|           |                           | <b>1</b>      | PC                             |
|           |                           | <b>2</b>      | SCALE                          |
|           |                           | <b>3</b>      | Remote Journal (TVS Interface) |
|           |                           | <b>4</b>      | Remote Printer                 |
|           |                           | <b>5</b>      | Liquor Dispenser               |
|           |                           | <b>6</b>      | Scanner                        |
|           |                           | <b>7</b>      | COIN                           |
|           |                           | <b>8</b>      | EFT Device                     |
|           |                           | <b>9</b>      | Pole Display                   |
|           |                           | <b>10</b>     | PDC                            |
| <b>6</b>  | Initial Feeding Line KP   | <b>0 - 20</b> |                                |
| <b>7</b>  | End Feeding Line KP       | <b>0 - 20</b> |                                |
| <b>8</b>  | Initial Feeding Line Slip | <b>0 - 20</b> |                                |
| <b>9</b>  | Print Line On Guest Check | <b>0 - 50</b> |                                |
| <b>10</b> | Scale Type                | <b>0</b>      | NCI                            |
|           |                           | <b>1</b>      | CAS                            |
|           |                           | <b>2</b>      | CAS Ounce                      |

| Address   | Option       | Value     | Selection                          |
|-----------|--------------|-----------|------------------------------------|
| <b>11</b> | Printer Type | <b>0</b>  | NONE                               |
|           |              | <b>1</b>  | SAM4s ELLIX10                      |
|           |              | <b>2</b>  | SAM4s ELLIX20                      |
|           |              | <b>3</b>  | SRP-270/270, SNBC M280             |
|           |              | <b>4</b>  | SRP-350,<br>SNBC R580/2002NP/880NP |
|           |              | <b>5</b>  | CITIZEN 3550                       |
|           |              | <b>6</b>  | CITIZEN 810                        |
|           |              | <b>7</b>  | CITIZEN 230                        |
|           |              | <b>8</b>  | EPSON TM T88-2                     |
|           |              | <b>9</b>  | EPSON U200                         |
|           |              | <b>10</b> | EPSON U295                         |
|           |              | <b>11</b> | EPSON U300                         |
|           |              | <b>12</b> | EPSON U325                         |
|           |              | <b>13</b> | EPSON U375                         |
|           |              | <b>14</b> | STAR SP-200                        |
|           |              | <b>15</b> | STAR SP-298                        |
|           |              | <b>16</b> | STAR SP-300                        |
|           |              | <b>17</b> | STAR TSP-200                       |
| <b>12</b> | Display Type | <b>0</b>  | EPSON                              |
|           |              | <b>1</b>  | ICD                                |

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## Preparing the ER-900 for Communications

The register must be ready for communications:

- Connect the register directly to the PC with the appropriate cable. See “Cabling Diagrams” on page 37.
- The register power must be on.
- A clerk must be signed on.
- The register cannot be inside of a transaction.
- The key lock can be in any position other than OFF.

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## Installing the Utility

1. From Windows Explorer, locate the file: setup900.exe. Double click the file to open the installation dialog box.
2. Follow the installation wizard instructions to complete the installation.

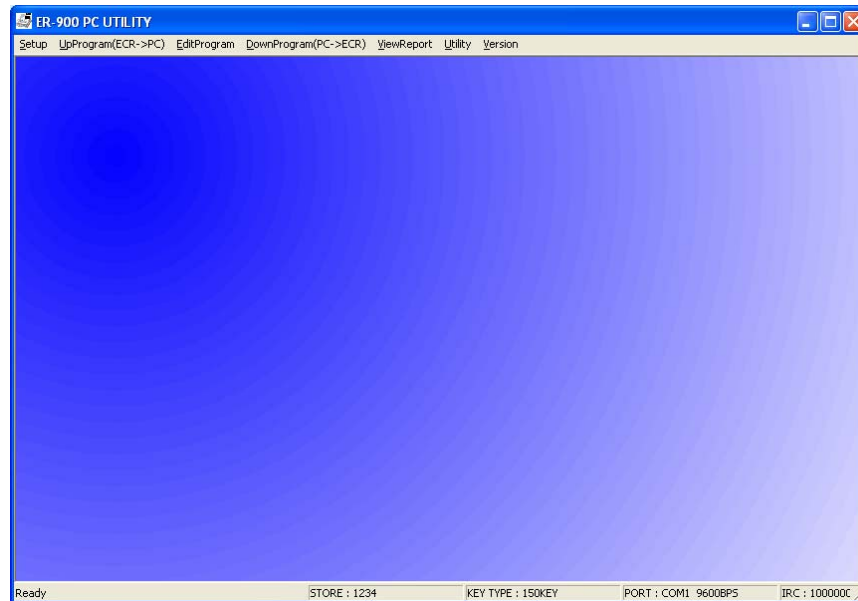
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## Starting the PC Utility

1. Choose **Start, Programs, SHC PC Utility** and then **900PC**. The Store Setting dialog box displays.

If you are starting the utility for the first time, you will be prompted to first add a store.

2. Select the store you wish to open and click the **Close** button. The **ER-900 Series PC Utility** window opens.

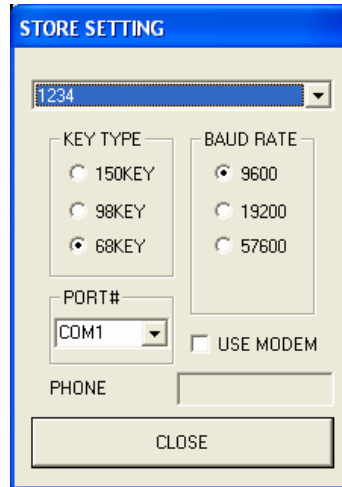


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## Store Settings

There is no limit to the number of stores. When you start the utility for the first time, enter the store name and select the model, PC port and baud rate.

### *The Store Setting Dialog Box*



### Selecting a Store

- ◆ Select the working store when you start the utility.
- ◆ To change the working store after the utility has been started, choose **Setup Store** from the **Setup** menu and select a different store from the drop-down list box.

### Adding a Store

- ◆ Choose **Add Store** from the **Setup** menu. At the **Add Store** dialog, enter the store name and click **OK**. At the **Store Setting** dialog, select the model, keyboard type, PC port, baud rate and click the **Close** button.

### Removing a Store

- ◆ Choose **Remove Store** from the **Setup** menu. At the **Remove Store** dialog, select the store name to remove and click **OK**.

# Upload/Download Programs

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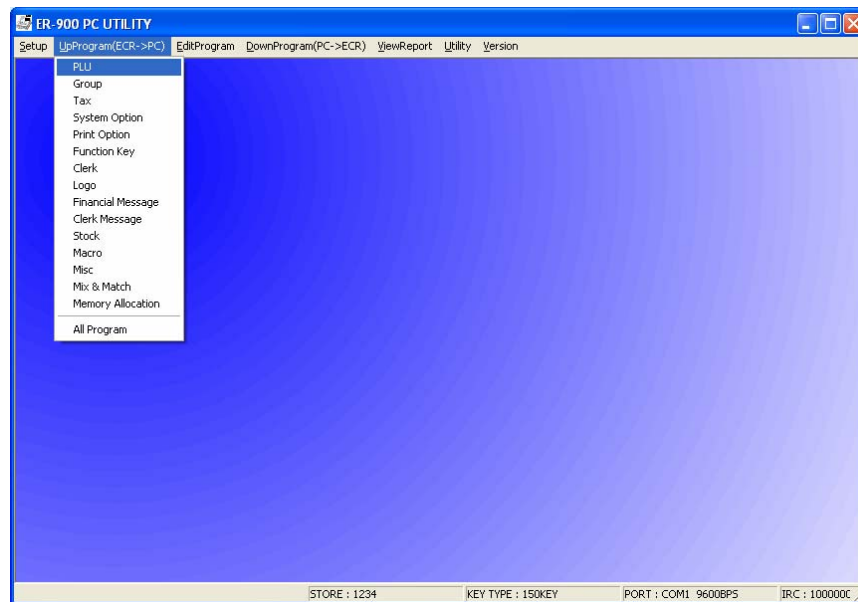
## UpProgram

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**You must upload a register program to your PC before program edit functions are allowed.**

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- ◆ Select **All Program** (recommended) to upload the entire register program or select the program segment you wish to upload from the **UpProgram** menu.

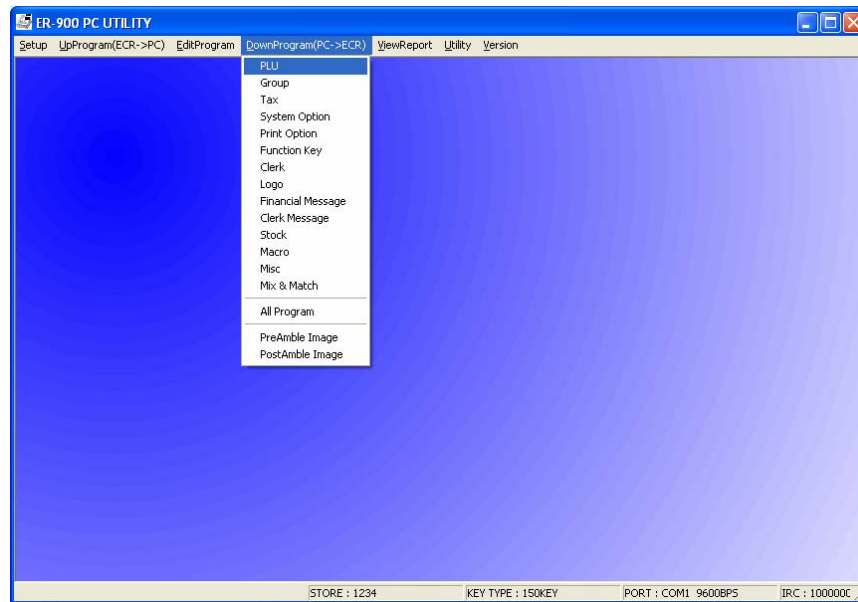


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## DownProgram

Downloading a program will overwrite the existing register program.

- ◆ Select the program segment you wish to download from the **DownProgram** menu, or select **AllProgram** to download the entire register program (not including PreAmble and PostAmble images, that are downloaded separately.)



# Edit Programs

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## Procedures

With the exception of memory allocation, all register programs can be edited with the PC Utility. You will find options neatly organized on dialog boxes, making register option programming on the PC Utility more efficient than programming options at the register.

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▪ **You must upload a program before program edit functions are allowed.**

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1. To edit a program, choose the appropriate program from the **EditProgram** menu. An example of each program dialog box is shown in this chapter.
2. After edits, click **Save** to exit and save changes, or click **Cancel** to exit without saving changes.

### Tips

- Each Store's data is located in a separate folder under the ER-900PC folder.
- If you are building a new register program based upon an existing store, you can copy an existing store's program files to a new store folder. It is often more efficient to modify an existing program than to start over with a new one.
- If you are building a large PLU file with identical (or similar) options for each PLU, you may find the from/to PLU programming at the register useful. For example, you can first program the identical options for a range of PLUs at the register. Then upload the PLU program with the utility. Use the utility to program descriptors, prices and make adjustments to each PLU individually. Finally, you can download the completed program to the register.
- If you have questions regarding the meaning of ECR features, refer the appropriate *ER-900 Series Operator's and Programming* manual for an explanation of your program options.

# Program Edit Screens

**Note:** When editing descriptor fields, you can make bold characters print on the ECR by entering a tilde (~) before each character. Each bold character occupies 2-character positions.

## PLU

PROGRAMMING PLU - Right click to delete an item.

| CODE | DESCRIPTOR         | PRICE1 |
|------|--------------------|--------|
| 1    | 1 Taco Combo       | 4.49   |
| 2    | 2 Taco Combo       | 5.69   |
| 3    | 3 Taco Combo       | 6.79   |
| 4    | 2 Chz Ench&1 Taco  | 6.79   |
| 5    | 3 Chz Enchilladas  | 6.79   |
| 6    | Meat Enchilada Red | 7.29   |
| 7    | Meat Enchilada Gn  | 7.29   |
| 8    | Chile Rellano      | 7.29   |
| 9    | Torta              | 5.99   |
| 10   | Beef Chile Rellano | 7.49   |
| 11   |                    | 0.00   |
| 12   | Cheese Quesadilla  | 4.79   |
| 13   | Meat Quesadilla    | 5.79   |
| 14   | Nachos             | 4.79   |
| 15   | Burrito            | 6.19   |
| 16   | Stk/Fajita Burrito | 6.49   |
| 17   | Veggie Burrito     | 5.29   |
| 18   | Veg/Fajita Burrito | 5.49   |
| 19   | Smothered Burrito  | 7.79   |
| 20   | Bean & Chz Burrito | 4.50   |
| 21   |                    | 0.00   |
| 22   | Taco               | 2.19   |
| 23   | Steak/Fajita Taco  | 2.79   |
| 24   | Veggie Taco        | 1.79   |
| 25   |                    | 0.00   |
| 26   |                    | 0.00   |
| 27   | Chimichanga        | 7.79   |
| 28   | Taco Salad         | 6.19   |
| 29   | House Specialties  | 8.79   |
| 30   |                    | 0.00   |
| 31   |                    | 0.00   |
| 32   | Tamales            | 2.09   |
| 33   | Homemade Flan      | 2.99   |
| 34   |                    | 0.00   |
| 35   | Chile              | 7.29   |

TOTAL PLU# : 300

PLU CODE:

DESCRIPTOR:

GROUP:

PRICE1:

PRICE2:

PRESET ☐ PRESET OVERRIDE ☐

TAXABLE BY: ☐ 1 ☐ 2 ☐ 3 ☐ 4

FOOD STAMP ELIGIBLE ☐ HASH ITEM ☐ NON ADD # COMP ☐ INVENTORY ITEM ☐ SCALABLE ☐ CONDIMENT ITEM ☐ PRINT ON RECEIPT ☐ PRINT PRICE ON RECEIPT ☐ DISABLE PROMO ☐

NEGATIVE ITEM ☐ SINGLE ITEM ☐ GALLONAGE ITEM ☐ DISABLE ☐ AUTO SCALE ☐ CONDIMENT COMP. ☐ PRINT ON CHECK ☐ PRINT PRICE ON CHECK ☐ COUNTER NOT RESET ☐ PRESET OVERRIDE IN MGR MODE ☐ DISABLE VOID AND RETURN ☐

LINK PLU CODE:

AUTO TARE:

MIX & MATCH #:

EXIT SAVE CANCEL

## Groups

GROUP

| #  | DESCRIPTOR |
|----|------------|
| 1  | GROUP 1    |
| 2  | GROUP 2    |
| 3  | GROUP 3    |
| 4  | GROUP 4    |
| 5  | GROUP 5    |
| 6  | GROUP 6    |
| 7  | GROUP 7    |
| 8  | GROUP 8    |
| 9  | GROUP 9    |
| 10 | GROUP 10   |
| 11 | GROUP 11   |
| 12 | GROUP 12   |
| 13 | GROUP 13   |
| 14 | GROUP 14   |
| 15 | GROUP 15   |
| 16 | GROUP 16   |
| 17 | GROUP 17   |
| 18 | GROUP 18   |
| 19 | GROUP 19   |
| 20 | GROUP 20   |

GROUP 1

DESCRIPTOR:

☒ ADD TO GROUP TOTAL

☐ SEND TO KP

KP PORT: ☐ PORT#1 ☐ PORT#2 ☐ PORT#3 ☐ PORT#4 ☐ RECEIPT

☐ PRINT RED ON KP

GIFT CARD:

SAVE CANCEL

## Tax

**TAX**

TAX1

☒ ADD ON      RATE 2.000

☐ TAX TABLE      **GST TAXTABLE**

☐ VAT      ☒ TAX 1

☐ TAX 2

☐ TAX 3

SAVE      CANCEL

## System Option

**SYSTEM OPTION**

|                                                                       |                                                                             |                                                                    |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------|
| <input checked="" type="checkbox"/> BEEPER ACTIVE                     | <input type="checkbox"/> COMP. EAT-IN T-OUT D-THRU BEFORE TENDERING         | TENDER VALIDATION AMT OF SALE                                      |
| CLERK ENTRY PUSH                                                      | HASH IS NORMAL                                                              | <input type="checkbox"/> NOT COUNT IN MEMORY IN VOID MODE          |
| CLERK IS STAY DOWN                                                    | <input type="checkbox"/> RESET Z COUNTER AFTER Z1 REPORT                    | <input type="checkbox"/> VAT SHIFT AFFECT THE WHOLE RECEIPT        |
| <input checked="" type="checkbox"/> DRAWER NEED TO BE SHUT TO OPERATE | <input type="checkbox"/> FINAN. RPT <input type="checkbox"/> TIME RPT.      | <input type="checkbox"/> CLERK INTERRUPT                           |
| <input type="checkbox"/> ACTIVATE DRAWER OPEN ALARM                   | <input type="checkbox"/> PLU RPT. <input type="checkbox"/> CLERK RPT.       | <input type="checkbox"/> DISPLAY ADD PRICE OF LINKED ITEMS         |
| SECONDS TO ALLOW DRAWER OPEN (1-99) 30                                | <input type="checkbox"/> GROUP RPT.                                         | <input checked="" type="checkbox"/> ALLOW SALE WITH 0 STOCK        |
| <input type="checkbox"/> ALLOW POST TENDER                            | <input type="checkbox"/> RESET Z COUNTER AFTER Z2 REPORT                    | <input type="checkbox"/> ALLOW SWEDISH ROUNDING ON SUBTOTAL        |
| <input checked="" type="checkbox"/> OPEN DRAWER ON POST TENDER        | <input type="checkbox"/> DAILY SALES REPORT                                 | <input type="checkbox"/> ALLOW SWEDISH ROUNDING ON CASH            |
| <input type="checkbox"/> ALLOW MULTIPLE RECEIPT                       | <input checked="" type="checkbox"/> PRINTER PAPER SENSOR ACTIVE             | <input checked="" type="checkbox"/> ALLOW Z STOCK REPORT           |
| <input type="checkbox"/> CASH DECLARATION REQ. BEFORE REPORTS         | <input type="checkbox"/> DEACTIVATE SPLIT PRICING                           | <input checked="" type="checkbox"/> OVERLAY DESCRIPTOR             |
| <input type="checkbox"/> MGR CONTROL TO TEND NEG. BALANCE             | <input type="checkbox"/> ALLOW DIRECT MULT                                  | <input type="checkbox"/> USE SPOOL                                 |
| <input type="checkbox"/> MGR CONTROL TO TEND ZERO BALANCE             | INVENTORY COUNT COUNTER REPLACE CURR.LVL                                    | <input checked="" type="checkbox"/> PERCENT NOT AFFECT TO NET SALE |
| <input type="checkbox"/> RESET TRANSACTION NO. ON Z REPORT            | <input type="checkbox"/> DISABLE PRICE LEVEL KEY                            | <input type="checkbox"/> DISABLE CASH DECLARE                      |
| <input type="checkbox"/> RESET GRAND TOTAL AFTER Z REPORT             | <input type="checkbox"/> LEVEL 1 <input type="checkbox"/> LEVEL 2           | USER TRACK 1&2                                                     |
| <input checked="" type="checkbox"/> OPEN DRAWER WHEN REPORTS ARE RUN  | PRICE LEVEL POP UP AFTER ITEM                                               | <input type="checkbox"/> MCR CLERK SIGN                            |
| <input checked="" type="checkbox"/> OPEN DRAWER DURING TRAIN MODE     | <input type="checkbox"/> ENABLE ELECTRONIC JOURNAL                          | <input type="checkbox"/> USE MCR                                   |
| DECIMAL PLACE 2                                                       | <input checked="" type="checkbox"/> PROMPT OPERATOR WHEN E.J BUFFER IS FULL | <input type="checkbox"/> USE DALLAS                                |
| DATE FORMAT MDY                                                       | <input type="checkbox"/> STOP OPERATIONS WHEN E.J BUFFER IS FULL            | <input type="checkbox"/> AUTO CUTTEF                               |
| MODIFIER POP UP AFTER ITEM                                            | <input type="checkbox"/> SEND ONLY NEGATIVE ENTRIES TO E.J                  | MNM IS TAXABLE                                                     |
| % AND TAX CAL. ROUND UP AT 0.50                                       | <input type="checkbox"/> SEND RESET REPORT TO E.J                           | LANGUAGE ENGLISH                                                   |
| SPLIT PRICE CAL. ROUND UP AT 0.50                                     | <input type="checkbox"/> DIRECT MULT MORE THAN ONE DIGIT                    | EMBEDDED PRICE BAR CODE TYPE                                       |
|                                                                       | <input type="checkbox"/> MGR REQUIRED TO OPEN FINALIZE CHECKS               | MSR CONNECTED DATATRAM                                             |
|                                                                       | <input type="checkbox"/> CHARGE POSTING USE                                 | PIN PAD (0-4) 0                                                    |
|                                                                       | <input type="checkbox"/> SEND REPORTS TO REMOTE PRINTER                     | PIN PAD ROTATE                                                     |
|                                                                       |                                                                             | EFT DRAFT FINE DINING                                              |
|                                                                       |                                                                             | <input type="checkbox"/> DISABLE NOT FOUND PLU                     |
|                                                                       |                                                                             | <input type="checkbox"/> PUERTO RICO RJ FLAG                       |

SAVE      CANCEL

## Print Option

| PRINT OPTION                                                                                    |                                                                                                       |                                                                        |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <input type="checkbox"/> PRINT MEDIA TOTALS ON CLERK REPORT                                     | <input type="checkbox"/> VAT BREAKDOWN                                                                | <input type="checkbox"/> PRE PRN GRAPHIC LOGO ON GUEST CHECK           |
| <input checked="" type="checkbox"/> PRINT TAX SYMBOL                                            | <input type="checkbox"/> PRINT TRAIN MODE TITLE IN TRAINING MODE                                      | <input type="checkbox"/> POST PRN GRAPHIC LOGO ON GUEST CHECK          |
| <input checked="" type="checkbox"/> PRINT VOID MODE AND RETURN ON RPT.                          | CURRENCY SYMBOL                                                                                       | <input type="checkbox"/> NOT PRINT WHEN POLLING REPORTS                |
| <input type="checkbox"/> PRINT AUCTION ON REPORT                                                | CONV # 1                                                                                              | <input type="checkbox"/> PRINT PLU # ON PLU REPORTS                    |
| <input checked="" type="checkbox"/> SKIP ZERO TOTALS ON FINANCIAL RPT.                          | CONV # 2                                                                                              | GRAND TOTAL IS <input type="text" value="GROSS"/>                      |
| <input checked="" type="checkbox"/> SKIP ZERO TOTALS ON CLERK REPORT                            | CONV # 3                                                                                              | <input type="checkbox"/> SEND ORDER TO KP AT SUBTOTAL                  |
| <input type="checkbox"/> PRINT CLERK REPORT AFTER FINANCIAL RPT.                                | CONV # 4                                                                                              | <input type="checkbox"/> PRINT DATE ON SERV ON HARD CHECK              |
| <input type="checkbox"/> PRINT SALE ITEM NO.                                                    | <input checked="" type="checkbox"/> PRINT KP ORDER # ON RECEIPT                                       | EDIT PRE FEEDING LINE (0-5) <input type="text" value="0"/>             |
| <input type="checkbox"/> PRINT PLU WITH ZERO TOTALS ON RPT.                                     | <input type="checkbox"/> PRINT PRICE ON KP                                                            | EDIT END FEEDING LINE (0-5) <input type="text" value="0"/>             |
| <input type="checkbox"/> PRINT SUBTOTAL WHEN PRESSED                                            | <input checked="" type="checkbox"/> SEND TO KP IN VOID MODE                                           | <input type="checkbox"/> PRN IN HIGH DENSITY                           |
| <input type="checkbox"/> PRINT % OF SALES ON PLU REPORT                                         | <input type="checkbox"/> SEND TO KP IN TRAIN MODE                                                     | <input type="checkbox"/> JOURNAL IS OFF                                |
| <input checked="" type="checkbox"/> PRINT CONS. NO.                                             | <input checked="" type="checkbox"/> COMBINE LIKE ITEMS ON KP                                          | <input type="checkbox"/> JOURNAL IS SMALL                              |
| <input checked="" type="checkbox"/> PRINT DATE <input checked="" type="checkbox"/> PRINT TIME   | <input checked="" type="checkbox"/> CONSOLIDATION ON CHECK TRACK                                      | PRINT E.J. FROM <input type="text" value="NEWEST"/>                    |
| <input checked="" type="checkbox"/> PRINT MACHINE NO.                                           | VOLUME UNIT <input type="text" value="GAL"/>                                                          | <input checked="" type="checkbox"/> MASK CARD NUMBER ON ALL EFT DRAFTS |
| <input checked="" type="checkbox"/> PRINT CLERK NAME                                            | <input checked="" type="checkbox"/> PRINT PREAMBLE MESSAGE ON RECEIPT                                 | COPY OF DATATRAN RECEIPT <input type="text" value="1"/>                |
| HOME CURRENCY SYMBOL <input type="text" value="\$"/>                                            | <input checked="" type="checkbox"/> PRINT POSTAMBLE MESSAGE ON RECEIPT                                | ADJUSTABLE CUT <input type="text" value="40"/>                         |
| <input checked="" type="checkbox"/> PRINT Z COUNTER                                             | <input type="checkbox"/> PRINT PREAMBLE ON THE GUEST CHECK                                            | PRINT LAST LINE OF E.J. (0-99) <input type="text" value="0"/>          |
| <input checked="" type="checkbox"/> PRINT RECEIPT WHEN SIGN ON/OFF                              | <input type="checkbox"/> PRINT POSTAMBLE ON THE GUEST CHECK                                           |                                                                        |
| <input type="checkbox"/> PRINT GRAND TOTAL                                                      | <input checked="" type="checkbox"/> AVG ITEM / CUST <input checked="" type="checkbox"/> AVG \$ / CUST |                                                                        |
| <input checked="" type="checkbox"/> ON X REPORT <input checked="" type="checkbox"/> ON Z REPORT | <input type="checkbox"/> BUFFER RECEIPT ISSUE WHEN REC IS ON                                          |                                                                        |
| <input type="checkbox"/> PRINT GROSS TOTAL                                                      | <input type="checkbox"/> PRIORITY PRINT BY GROUP ON KP                                                |                                                                        |
| <input checked="" type="checkbox"/> ON X REPORT <input checked="" type="checkbox"/> ON Z REPORT | <input type="checkbox"/> PRINT PLU # ON RECEIPT                                                       |                                                                        |
| <input type="checkbox"/> PRINT SUBTOTAL WITHOUT TAX                                             | <input checked="" type="checkbox"/> PRE-PRN GRAPHIC LOGO ON RECEIPT                                   |                                                                        |
| TAX AMOUNT IS <input type="text" value="ITEMIZE"/>                                              | <input checked="" type="checkbox"/> POST-PRN GRAPHIC LOGO ON RECEIPT                                  |                                                                        |
| <input checked="" type="checkbox"/> PRINT TAX AMOUNT                                            | <input checked="" type="checkbox"/> PRE-PRINTING LOGO IS DEFAULT                                      |                                                                        |
| <input type="checkbox"/> PRINT TAXABLE TOTAL                                                    | <input checked="" type="checkbox"/> POST-PRINTING LOGO IS DEFAULT                                     |                                                                        |
| <input type="checkbox"/> PRINT TAX RATE                                                         |                                                                                                       |                                                                        |

## Function Key

The screenshot shows the 'Function Key' menu on the left, which is a vertical list of options. An arrow points from the 'CHARGE1' option in this menu to the 'CHARGE1' dialog box on the right. The 'CHARGE1' dialog box contains several input fields and checkboxes. The 'DESCRIPTOR' field is set to 'CHARGE1'. The 'KEY HALO( 0: NO LIMIT )' field is set to '0.00'. There are two columns of checkboxes: 'AMT TEND COMP.', 'OVER/UNDER TENDER IN MGR CONTROL', 'DISABLE UNDER TEND.', 'DOES DRAWER OPEN' (checked), 'ALLOW OVER TEND', 'SEND TO EFT', 'NON-ADD # COMP.', 'EXEMPT TAX 1', 'EXEMPT TAX 2', 'EXEMPT TAX 3', 'EXEMPT TAX 4', and 'COMPULSORY VALID'. The 'SELECT KIND OF CARD (0 - 4)' field is set to '0'. At the bottom of the dialog box are 'OK' and 'CANCEL' buttons. Below the 'Function Key' menu are 'SAVE' and 'CANCEL' buttons.

**Function Key**

- Function Key
- NOSALE
- Senior 10%
- Open %
- Open \$
- % 4
- % 5
- X/TIME
- ADDCHK
- CANCEL
- CASH
- CHARGE1
- CHARGE2
- CHARGE3
- CHARGE4
- CHARGE5
- CHARGE6
- CHARGE7
- CHARGE8
- CHKCASH
- CHKENDOR
- CHECK
- CHECK #
- CLEAR
- CLERK
- CONV1
- CONV2
- CONV3
- CONV4
- DVTHR
- EATIN

**CHARGE1**

DESCRIPTOR: CHARGE1

KEY HALO( 0: NO LIMIT ): 0.00

☐ AMT TEND COMP.
 ☐ NON-ADD # COMP.

☐ OVER/UNDER TENDER IN MGR CONTROL
 ☐ EXEMPT TAX 1

☐ DISABLE UNDER TEND.
 ☐ EXEMPT TAX 2

☒ DOES DRAWER OPEN
 ☐ EXEMPT TAX 3

☐ ALLOW OVER TEND
 ☐ EXEMPT TAX 4

☐ SEND TO EFT
 ☐ COMPULSORY VALID

SELECT KIND OF CARD (0 - 4): 0

OK CANCEL

SAVE CANCEL

## Clerk

[illegible]

## Logo/Descriptors

| PREAMBLE            | ENDORSEMENT MSG | FINANCIAL REP MSG | CLERK REP MSG |
|---------------------|-----------------|-------------------|---------------|
| A~S~A~L~U~P~T~A     |                 | +PLU TTL          | NET SALE      |
| Mexican Restaurant  |                 | FINANCIAL REP.    | CLERK REP.    |
| 1350 Highway 96 E.  |                 | +PLU TTL          | NET SALE      |
| White Bear Lake, MN |                 | -PLU TTL          | NONTAX        |
| 651-762-2948        |                 | ADJUST TTL        | TAX1 SALES    |
|                     |                 | NONTAX            | TAX2 SALES    |
|                     |                 | TAX1 SALES        | TAX3 SALES    |
|                     |                 | TAX2 SALES        | TAX4 SALES    |
|                     |                 | TAX3 SALES        | TAX1          |
|                     |                 | TAX4 SALES        | TAX2          |
|                     |                 | TAX1              | TAX3          |
|                     |                 | TAX2              | TAX4          |
|                     |                 | TAX3              | XMPT1 SALES   |
|                     |                 | TAX4              | XMPT2 SALES   |
|                     |                 | XMPT1 SALES       | XMPT3 SALES   |
|                     |                 | XMPT2 SALES       | XMPT4 SALES   |
|                     |                 | XMPT3 SALES       | EATIN TTL     |
|                     |                 | XMPT4 SALES       | TAKEOUT TTL   |
|                     |                 | EATIN TTL         | DRTHRU TTL    |
|                     |                 | TAKEOUT TTL       | % 1           |
|                     |                 | DRTHRU TTL        | % 2           |
|                     |                 | % 1               | % 3           |
|                     |                 | % 2               | % 4           |
|                     |                 | % 3               | % 5           |
|                     |                 | % 4               | CREDIT TAX1   |
|                     |                 | % 5               | CREDIT TAX2   |
|                     |                 | NET SALE          | CREDIT TAX3   |
|                     |                 | CREDIT TAX1       | CREDIT TAX4   |
|                     |                 |                   |               |

POSTAMBLE

Please Come Again

SAVE

CANCEL

## PLU Stock

[illegible]

# NLU

NluPgm

| NLU CODE | PLU CODE | DESCRIPTOR         |
|----------|----------|--------------------|
| 1        | 1        | 1 Taco Combo       |
| 2        | 2        | 2 Taco Combo       |
| 3        | 3        | 3 Taco Combo       |
| 4        | 4        | 2 Chz Ench&1 Taco  |
| 5        | 5        | 3 Chz Enchilladas  |
| 6        | 6        | Meat Enchilada Red |
| 7        | 7        | Meat Enchilada Gn  |
| 8        | 8        | Chile Rellano      |
| 9        | 9        | Torta              |
| 10       | 10       | Beef Chile Rellano |
| 11       | 11       |                    |
| 12       | 12       | Cheese Quesadilla  |
| 13       | 13       | Meat Quesadilla    |
| 14       | 14       | Nachos             |
| 15       | 15       | Burrito            |
| 16       | 16       | Stk/Fajita Burrito |
| 17       | 17       | Veggie Burrito     |
| 18       | 18       | Veg/Fajita Burrito |
| 19       | 19       | Smothered Burrito  |
| 20       | 20       | Bean & Chz Burrito |
| 21       | 21       |                    |
| 22       | 22       | Taco               |
| 23       | 23       | Steak/Fajita Taco  |
| 24       | 24       | Veggie Taco        |
| 25       | 25       |                    |
| 26       | 26       |                    |
| 27       | 27       | Chimichanga        |
| 28       | 28       | Taco Salad         |
| 29       | 29       | House Specialties  |

SAVE CANCEL

# Macro

Untitled - MacroPgm

File Edit Macro Mode Function Help

MACRO 1 2 3 4 5 6 7 8 9 10 FuncKey CLEAR CLEAR EXIT

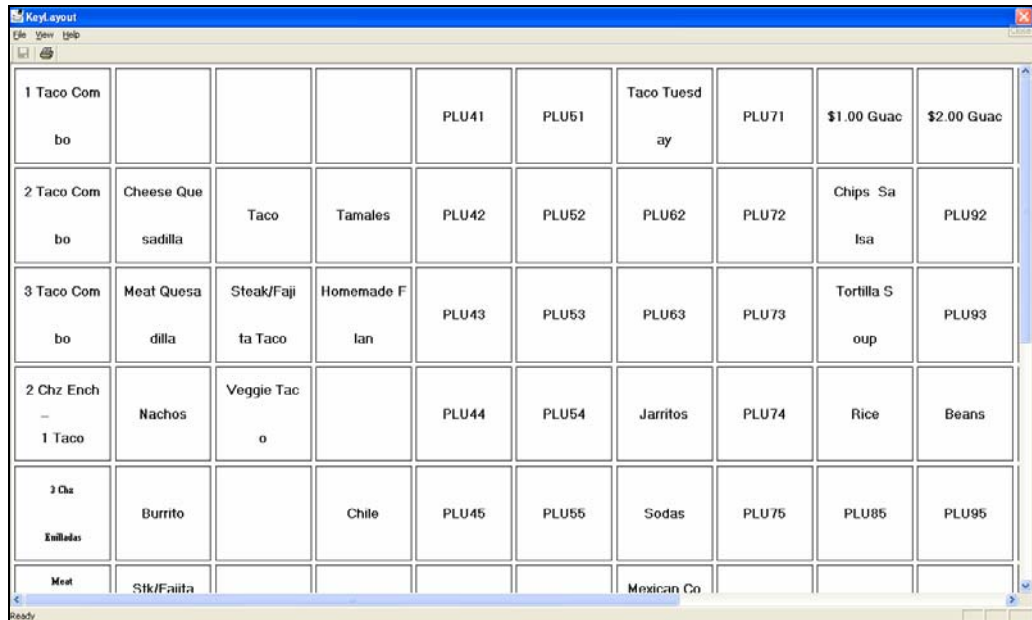
LIST CURR ALL

|                     |                   |             |       |       |             |                |       |               |             |            |          |         |        |           |
|---------------------|-------------------|-------------|-------|-------|-------------|----------------|-------|---------------|-------------|------------|----------|---------|--------|-----------|
| Taco Comb           |                   |             |       | PLU41 | PLU51       | aco Tueda      | PLU71 | \$1.00 Guac   | \$2.00 Guac | PFEED      |          | ERRCORR | VOID   | CLERK     |
| Taco Combese Quesad | Taco              | Tamale      |       | PLU42 | PLU52       | PLU62          | PLU72 | Chips_Salsa   | PLU92       | Senior 10% | RA1      | PO1     | NOSALE | RETURN    |
| Taco Combese Quesad | u/Fajita T        | mmade FA    |       | PLU43 | PLU53       | PLU63          | PLU73 | Tortilla Soup | PLU93       | Open %     | TKOUT    | EATIN   | DVTHR  | CANCEL    |
| 2 Ench T            | Nachos            | Veggie Taco |       | PLU44 | PLU54       | Jaritos        | PLU74 | Rice          | Beans       | Open \$    | CHECK #  | SERVICE | TABLE  | PRINT CHK |
| 3 Enchilla          | Burrito           |             | Chile | PLU45 | PLU55       | Sodas          | PLU75 | PLU85         | PLU95       | % 4        | ADDCR    | TAX1    | CONV1  | CHARGE3   |
| 4 Enchilada         | u/Fajita Bur      |             | Misc  | PLU46 | PLU56       | Mexican Cok    | PLU76 | PLU86         | PLU96       | \$ 5.00    | CLEAR    | PLU     | X/TIME | CHARGE2   |
| 5 Enchilada         | veggie Burrito    | Chimichanga |       | PLU37 | PLU47       | Softened Water | PLU77 | PLU87         | PLU97       | \$10.00    | 7        | 8       | 9      | CHARGE1   |
| Chile Rellano       | Fajita Bur        | Taco Salad  |       | PLU38 | PLU48       | Sopapillas     | PLU78 | PLU88         | PLU98       | \$20.00    | 4        | 5       | 6      | CHECK     |
| Torta               | Smothered Burrito | Special     |       | PLU39 | PLU49       | Cookies        | PLU79 | PLU89         | PLU99       | \$50.00    | 1        | 2       | 3      | SUBTOTAL  |
| Chile Rellano       | Chz Bur           |             | Sides | Extra | Super Nacho |                | PLU60 | PLU70         | PLU80       | PLU90      | \$100.00 | 0       | 00     | CASH      |

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## Key Layout

**Note:** Use the scroll bars to view the entire keyboard.



## Comm Port

The CommPort configuration window allows users to set various communication parameters. The settings are as follows:

|                                     |       |
|-------------------------------------|-------|
| PORT 1                              |       |
| BAUDRATE                            | 9600  |
| DATA BITS                           | 8 BIT |
| SCALE TYPE                          |       |
| DEVICE FUNCTION                     | NONE  |
| INITIAL FEEDING LINE (0-20)         | 0     |
| INITIAL FEEDING LINE ON SLIP (0-20) | 0     |
| EFT CONFIG BYTE                     | 0     |
| EFT TYPE                            |       |
| PARITY                              | NONE  |
| STOP BIT                            | 1 BIT |
| POLE DISPLAY TYPE                   | EPSON |
| PRINTER TYPE                        | NONE  |
| ENDING FEEDING LINE (0-20)          | 7     |
| PRINT LINE ON GUEST CHECK (0-50)    | 0     |
| EFT CURRENCY                        |       |

Buttons: SAVE, CANCEL

## Mix & Match

**MIX&MATCH**

| #  | DESCRIPTOR  |
|----|-------------|
| 1  | DISCOUNT 1  |
| 2  | DISCOUNT 2  |
| 3  | DISCOUNT 3  |
| 4  | DISCOUNT 4  |
| 5  | DISCOUNT 5  |
| 6  | DISCOUNT 6  |
| 7  | DISCOUNT 7  |
| 8  | DISCOUNT 8  |
| 9  | DISCOUNT 9  |
| 10 | DISCOUNT 10 |
| 11 | DISCOUNT 11 |
| 12 | DISCOUNT 12 |
| 13 | DISCOUNT 13 |
| 14 | DISCOUNT 14 |
| 15 | DISCOUNT 15 |
| 16 | DISCOUNT 16 |
| 17 | DISCOUNT 17 |
| 18 | DISCOUNT 18 |
| 19 | DISCOUNT 19 |
| 20 | DISCOUNT 20 |

DISCOUNT 1

DESCRIPTOF

TRIP LEVEL

PRICE

## Etc. – Tare/Drawer Limit/Change Limit/Machine Number

**Etc**

TARE WEIGHT

DRAWER LIMIT

CHECK  
CHANGE LIMIT

MACHINE  
NUMBER

DATATRAN NO SIGN IF  
TRANSACTION TOTAL LESS  
THAN XXX.XX

EFT Password  
Port1

EFT Password  
Port2

EFT Password  
Port3

EFT Password  
Port4



# Reports

---

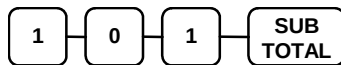
## Collecting Reports

Reports cannot be polled with the ER-900 Series PC Utility. However they can be saved to an SD card. SAM4s ER-900 series reports are saved to the SD card in .RPT format. These files are not ASCII and cannot be directly read by a report editor. However, with this utility, you can view the report data, export it to Microsoft Excel, and/or export it to a text file.

### Saving Reports to an SD Card

All reports saved in the same procedure. Reports saved are the current X1 readings.

1. At the ECR, turn the control lock to the **S** position.
2. To backup Reports to SD, enter **1 0 1**, press the **SUBTOTAL** key.



### Report File Conventions

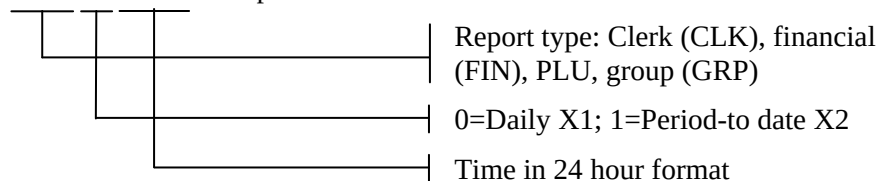
Saved reports are stored in a folder named with the current date, located in a folder under the store name. For example:

**SD\ER-900\REPBAC\Storename\20111130**

Where 20111130 is the date the reports were saved, November 30, 2011.

Reports listed in this folder are named using the following convention:

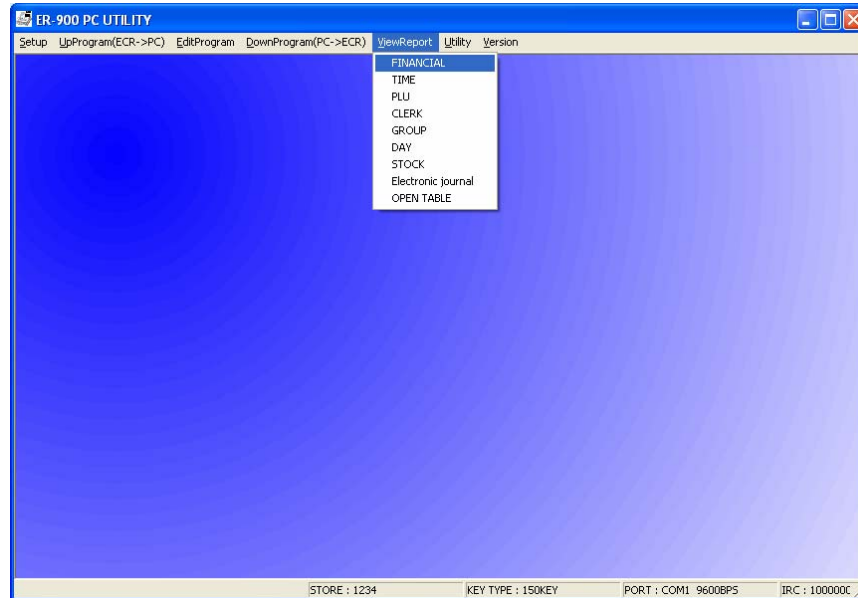
**CLK01132.rep**



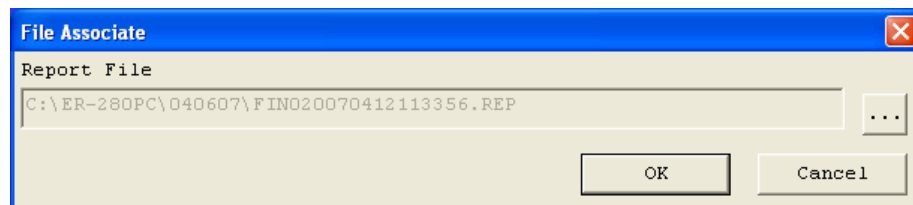
---

## View Reports

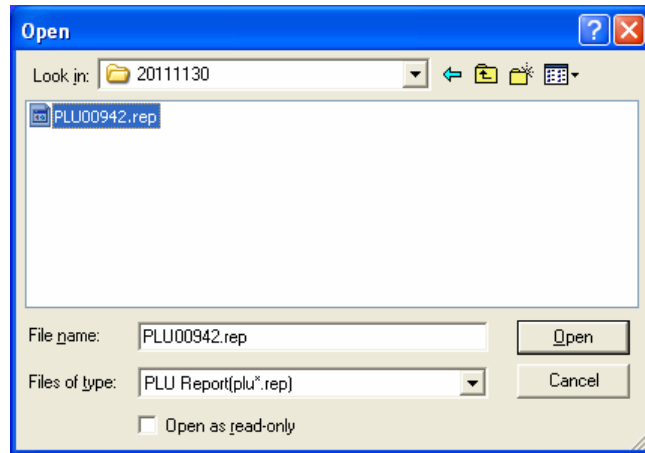
1. Select the type of report you wish to view from the ViewReport menu.



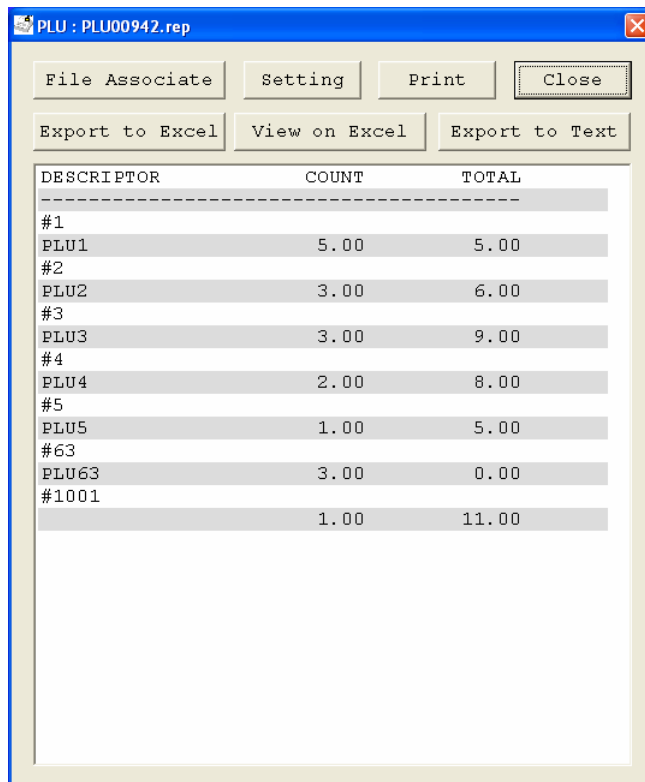
2. The File Associate dialog displays. Click the Browse ( ... ) button to locate the report you wish to view.



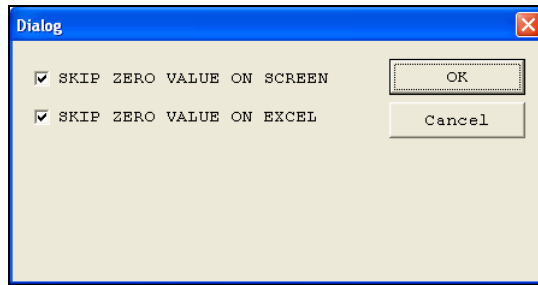
3. Select the report you wish to view. Note that report you select must match the type of report you selected from the menu. For example, if you selected PLU from the ViewReport menu, you must select a report file that begins with the text “PLU ...”; if you selected FINANCIAL from the ViewReport menu, you must select a report file that begins with the text “FIN...”



4. Click **Open**. The selected report displays.



5. Choose **Setting** to select zero skip options. Click **OK** to close the dialog and return to the financial report window.



6. From the report window, choose:

**Print:** to print the file at your printer

**Export to Excel:** to save the report in text (.xls) format

**View on Excel:** to open Excel and view the file

**Export to Text:** to save the report in Excel (.txt) format

**File Associate:** to select a new financial report

**Close:** to exit

# Prepare & Load Bitmap Logos

---

## Preparing a Graphic Logo Bitmap for an ER-900

You can load a preamble and postamble image for your ER-900 receipt. Before loading, the images must be converted by the PC Utility to .img format. After conversion, they can be loaded directly by connecting a PC to the ER-900 or by copying the images to a SD card and loading (or saving the image) using the SD utility program described here.

---

**Note that after loading the images, you must set Print Options #21 and #22 to activate the image printing.**

---

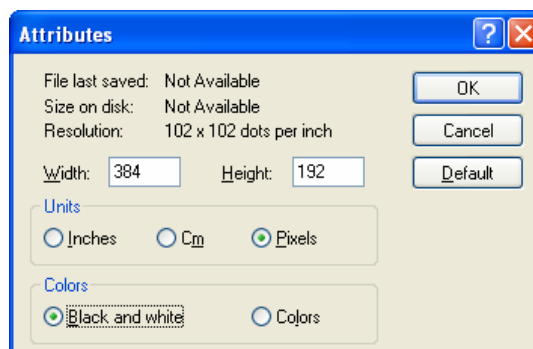
### 1. Preparing a Graphic Logo Bitmap for an ER-900 Series

---

**The image must be black/white, 384 x 192 pixels, and 10 Kbytes or less in size.**

---

1. Open MS Paint.
2. Open the image file you wish to use.
3. Choose **Attributes** from the **Image** menu. The **Attributes** dialog box displays.

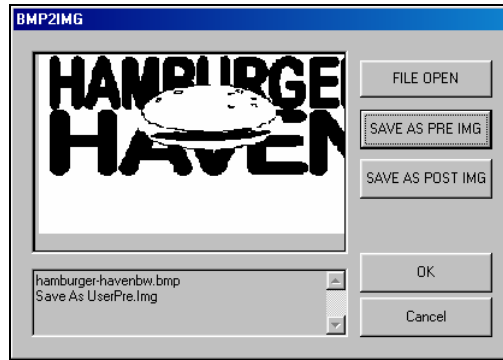


4. The image dimensions must be no larger than 384 pixels wide by 192 pixels high. If the image size in pixels is greater than the maximum, you must resize your image.
  - a. Click **OK** to exit the Attributes dialog.
  - b. Select your image. (Choose **Select All** from the **Edit** menu.)
  - c. Using the handles of the selected image, resize the image. Keep the image in the upper left corner of the screen.
  - d. Choose **Attributes** from the **Image** menu. The **Attributes** dialog box displays again. Enter 384 in the **Width** field; enter 192 in the **Height** field; select **Pixels** as the unit. Click **OK** to exit the dialog box.
  - e. Your image will be cropped to the 384 x 192 pixel size. If you cropped part of the image you wish to keep, you can undo (Ctrl + Z) and try again. You may have to experiment a bit to resize the image inside the 384 x 192 pixel limit.
5. After the image is sized, select **Black and white** in the **Attributes** dialog.
6. Save your image as type “Monochrome Bitmap (\*.bmp,\*.dib)” and confirm that the size is 10k or less. If you resized your original image, rename it when you save (original size may be retained with the original image.)

## 2. Use the PC Utility to Convert the Image

1. Install the *ER-900 PC Utility* on your PC.
2. At your PC, start the ER-900 PC Utility. (Select **Start, Programs, SHC PC UTILITY, ER-900 PC UTILITY.**) The **Store Setting** dialog box displays.
3. If you are starting the ER-900 PC Utility for the first time, you must define a store name, or if a store is already defined, you can select the store from the drop down list. After the store is defined or selected, click **Close**. The PC Utility program starts.
4. Move the .bmp logos you wish to use into the store directory (i.e. C:\ER-900PC\storename.)
5. At the PC Utility, choose **Convert Logo Image** from the **Utility** menu. The Bmp dialog box displays.
6. Click **FILE OPEN**. Select the bitmap image you wish to use from the **Open** dialog and click the **Open** command button.

- Click the **SAVE AS PRE IMG** or **SAVE AS POST IMG** button.



- When the image is selected, click **OK**. Verify that the message “Save As UserPre.img” or “Save As UserPost.img” displays. If the file is too large, and cannot be loaded, the message “File Size Error” displays.

### 3. Copy the Images to an SD Card

The PC Utility will create two image files:

- USERPRE.IMG
- USERPOST.IMG

They will be located in your PC at:

C:\ER-900PC\Store Name

Copy the mages to the following path on your SD card:

SD\ER900\PgmBack\Store Name

---

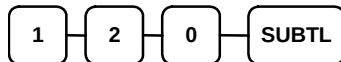
**Important: In the path: C:\ER-900PC\Store Name, the store name is the name you have defined as the store in the PC Utility. Note: You must use the same store name in the ER-900 Series ECR at System Option #30.**

---

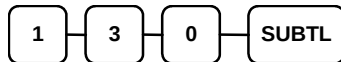
### 4. Load the Images by SD Card

Insert the SD card in the register’s SD slot. Note: The SD slot is located in the printer compartment of the ER-900. Remove the security screw to access the slot.

- Turn the control lock to the **S** position.
- To load the **Preamble Image** to the register from the SD card, enter **1 2 0**, press the **SUBTOTAL** key.

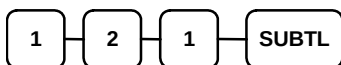


- To load the **Postamble Image** to the register from the SD card, enter **1 3 0**, press the **SUBTOTAL** key.

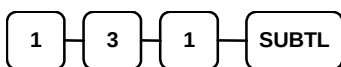


## 5. Saving Images from an ER-900 to an SD Card

1. Insert the SD card in the register's SD slot. Note: The SD slot is located in the printer compartment of the ER-900. Remove the security screw to access the slot.
2. Turn the control lock to the **S** position.
3. To save the **Preamble Image** from the register to the SD card, enter **1 2 1**, press the **SUBTOTAL** key.



4. To save the **Postamble Image** from the register to the SD card, enter **1 3 1**, press the **SUBTOTAL** key.



---

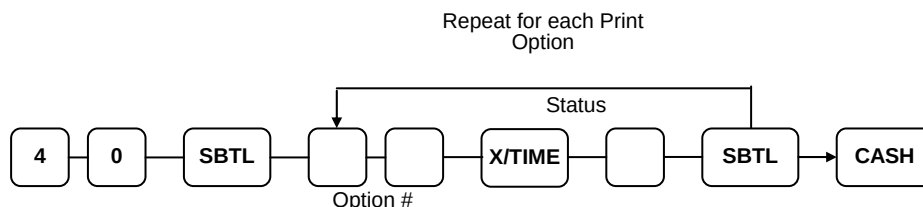
## Printing the Logo Image – ER-900 Settings

Two addresses in Print Option Programming affect graphic logo printing:

**Option #28** – Add the value of 1 to address 28 if you wish to print the pre graphic logo on the receipt. Add the value of 2 to address 28 if you wish to print the post graphic logo on the receipt.

**Option #29** – Add the value of 1 to address 29 if you wish to print the pre graphic logo on the guest check. Add the value of 2 to address 29 if you wish to print the post graphic logo on the guest check.

### Print Option Flowchart (P Key Lock Position)



# Import/Export PLU Files

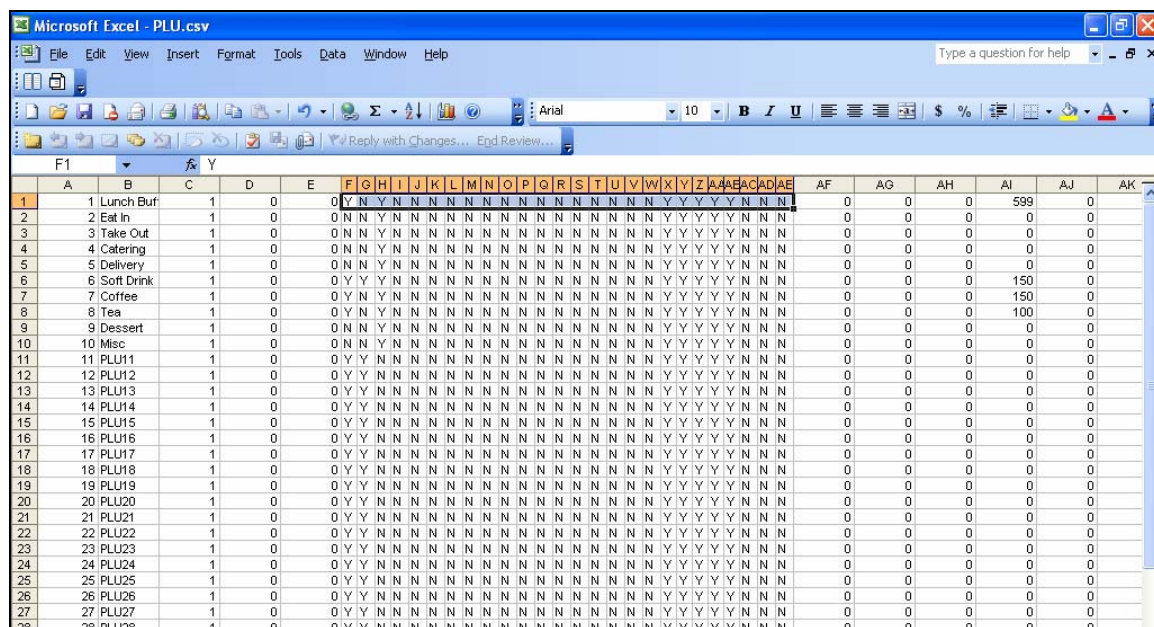
## PLU PGM to Excel/PLU Excel to PGM Utilities

This feature of the *SAM4s ER-900 PC Utility* is found under the Utility tab. Select “PLU PGM TO EXCEL” or “PLU EXCEL TO PGM”.

- When the “PLU PGM TO EXCEL” utility is run, the Excel file is placed into the folder: C:\ER-900PC\Storename. The file is named PLU.csv.
- When the “PLU EXCEL TO PGM” utility is run, the PLU.csv file in the folder: C:\ER-900PC\Storename will replace the PLU file and become the active PLU file for the store.

## PLU Key for CSV Import/Export

Example of Exported CSV File (in Excel):



|    | A | B            | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI  | AJ | AK |
|----|---|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----|----|----|
| 1  |   | 1 Lunch Buf  | 1 | 0 | 0 | Y | N | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 599 | 0  |    |
| 2  |   | 2 Eat In     | 1 | 0 | 0 | N | N | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 3  |   | 3 Take Out   | 1 | 0 | 0 | N | N | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 4  |   | 4 Catering   | 1 | 0 | 0 | N | N | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 5  |   | 5 Delivery   | 1 | 0 | 0 | N | N | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 6  |   | 6 Soft Drink | 1 | 0 | 0 | Y | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 150 | 0  |    |
| 7  |   | 7 Coffee     | 1 | 0 | 0 | Y | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 150 | 0  |    |
| 8  |   | 8 Tea        | 1 | 0 | 0 | Y | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 100 | 0  |    |
| 9  |   | 9 Dessert    | 1 | 0 | 0 | N | N | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 10 |   | 10 Misc      | 1 | 0 | 0 | N | N | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 11 |   | 11 PLU11     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 12 |   | 12 PLU12     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 13 |   | 13 PLU13     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 14 |   | 14 PLU14     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 15 |   | 15 PLU15     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 16 |   | 16 PLU16     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 17 |   | 17 PLU17     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 18 |   | 18 PLU18     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 19 |   | 19 PLU19     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 20 |   | 20 PLU20     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 21 |   | 21 PLU21     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 22 |   | 22 PLU22     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 23 |   | 23 PLU23     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 24 |   | 24 PLU24     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 25 |   | 25 PLU25     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 26 |   | 26 PLU26     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 27 |   | 27 PLU27     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |
| 28 |   | 28 PLU28     | 1 | 0 | 0 | Y | Y | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | Y | Y | Y  | Y  | N  | N  | N  | 0  | 0  | 0  | 0   | 0  |    |

| <b>Excel PLU.csv Key</b> |                                       |
|--------------------------|---------------------------------------|
| <b>Column on PLU.csv</b> | <b>Corresponding Option</b>           |
| A                        | PLU CODE                              |
| B                        | DESCRIPTOR                            |
| AJ                       | PRICE/HALO 1                          |
| AK                       | PRICE/HALO 2                          |
| F                        | PRESET                                |
| G                        | PRESET OVERRIDE                       |
| H                        | TAXable By: 1                         |
| I                        | TAXable By: 2                         |
| J                        | TAXable By: 3                         |
| K                        | TAXable By: 4                         |
| L                        | FOOD STAMP ELIGIBLE                   |
| M                        | NEGATIVE ITEM                         |
| N                        | HASH                                  |
| O                        | SINGLE ITEM                           |
| P                        | NON-ADD # COMP.                       |
| Q                        | GALLONAGE ITEM                        |
| R                        | INVENTORY ITEM                        |
| S                        | DISABLE                               |
| T                        | SCALEABLE                             |
| U                        | AUTO SCALE                            |
| V                        | CONDIMENT                             |
| W                        | COMP. CONDIMENT                       |
| X                        | PRINT ON RECEIPT                      |
| Y                        | PRINT PRICE ON RECEIPT                |
| Z                        | PRINT ON CHECK                        |
| AB                       | PRINT PRICE ON CHECK                  |
| AC                       | DISABLE PROMO                         |
| AD                       | COUNTER NOT RESET                     |
| AE                       | PRESET OVERRIDE IN<br>MANAGER CONTROL |
| AF                       | DISABLE VOID AND<br>RETURN            |
| AG                       | AUTO TARE                             |
| C                        | GROUP # 1 (1-20)                      |
| D                        | GROUP # 2 (1-20)                      |
| E                        | GROUP # 3 (1-20)                      |
| AH                       | PLU LINK CODE                         |
| AI                       | MIX & MATCH #                         |

\*AA column in the PLU>csv file is always "Y".

## PLU Key Viewed on Utility PLU Program Window

**PROGRAMMING PLU - Right click to delete an item.**

| CODE | DESCRIPTOR         | PRICE1 |
|------|--------------------|--------|
| 1    | 1 Taco Combo       | 4.49   |
| 2    | 2 Taco Combo       | 5.69   |
| 3    | 3 Taco Combo       | 6.79   |
| 4    | 2 Chz Ench&1 Taco  | 6.79   |
| 5    | 3 Chz Enchilladas  | 6.79   |
| 6    | Meat Enchilada Red | 7.29   |
| 7    | Meat Enchilada Gn  | 7.29   |
| 8    | Chile Rellano      | 7.29   |
| 9    | Torta              | 5.99   |
| 10   | Beef Chile Rellano | 7.49   |
| 11   |                    | 0.00   |
| 12   | Cheese Quesadilla  | 4.79   |
| 13   | Meat Quesadilla    | 5.79   |
| 14   | Nachos             | 4.79   |
| 15   | Burrito            | 6.19   |
| 16   | Stk/Fajita Burrito | 6.49   |
| 17   | Veggie Burrito     | 5.29   |
| 18   | Veg/Fajita Burrito | 5.49   |
| 19   | Smothered Burrito  | 7.79   |
| 20   | Bean & Chz Burrito | 4.50   |
| 21   |                    | 0.00   |
| 22   | Taco               | 2.19   |
| 23   | Steak/Fajita Taco  | 2.79   |
| 24   | Veggie Taco        | 1.79   |
| 25   |                    | 0.00   |
| 26   |                    | 0.00   |
| 27   | Chimichanga        | 7.79   |
| 28   | Taco Salad         | 6.19   |
| 29   | House Specialties  | 8.79   |
| 30   |                    | 0.00   |
| 31   |                    | 0.00   |
| 32   | Tamales            | 2.09   |
| 33   | Homemade Flan      | 2.99   |
| 34   |                    | 0.00   |
| 35   | Chile              | 7.29   |

TOTAL PLU# : 300

PLU CODE: 1 **A**

DESCRIPTOR: 1 Taco Combo **B**

GROUP: 3 **C D E**

PRICE1: 4.49 **AJ**

PRICE2: 0.00 **AK**

PRESET ☒ **F** PRESET OVERRIDE ☒ **G**

TAX: 1 ☒ **H** 2 ☐ **I** 3 ☐ **J** 4 ☐ **K**

FOOD STAMP ELIGIBLE ☐ **L** NEGATIVE ITEM ☐ **M**

HASH ITEM ☐ **N** SINGLE ITEM ☐ **O**

NON ADD # COMP. ☐ **P** RATIONAGE ITEM ☐ **Q**

INVENTORY ITEM ☐ **R** DISABLE ☐ **S**

SCALABLE ☐ **T** AUTO SCALE ☐ **U**

CONDIMENT ITEM ☐ **V** INDIMENT COMP. ☐ **W**

PRINT ON RECEIPT ☒ **X** PRINT ON CHECK ☒ **Z**

PRINT PRICE ON RECEIPT ☒ **Y** PRICE ON CHECK ☒ **AB**

DISABLE PROMO ☐ **AC** COUNTER NOT RESET ☐ **AD**

PRESET OVERRIDE IN MGR MODE ☐ **AE**

DISABLE VOID RETURN ☒ **AH**

LINK PLU CODE: **AG**

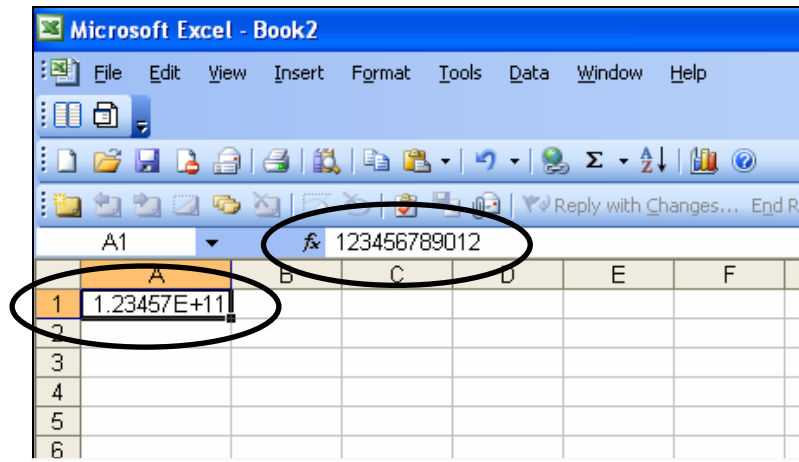
AUTO TARE: 0 **AI**

MIX & MATCH #: 0

Buttons: EXIT, SAVE, CANCEL

## Import Note – Notation of Large PLU Numbers

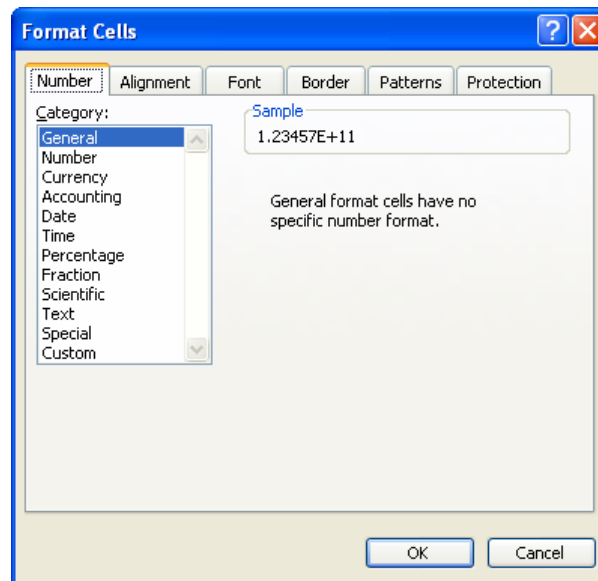
Using default Microsoft Excel™ settings, numbers exceeding 12 digits will display in scientific notation as shown in the sample sheet below:



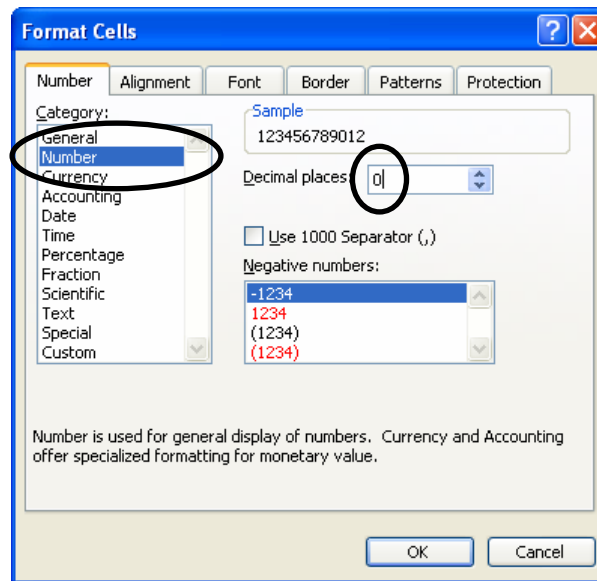
**Caution** If you are editing a PLU.csv file in Excel, *and* you are using large PLU numbers (such as 14-digit UPC numbers), you must take care to change the formatting of the number in Excel, so that the correct PLU number is sent to the PLU file.

### *To Change PLU Number Display in Excel*

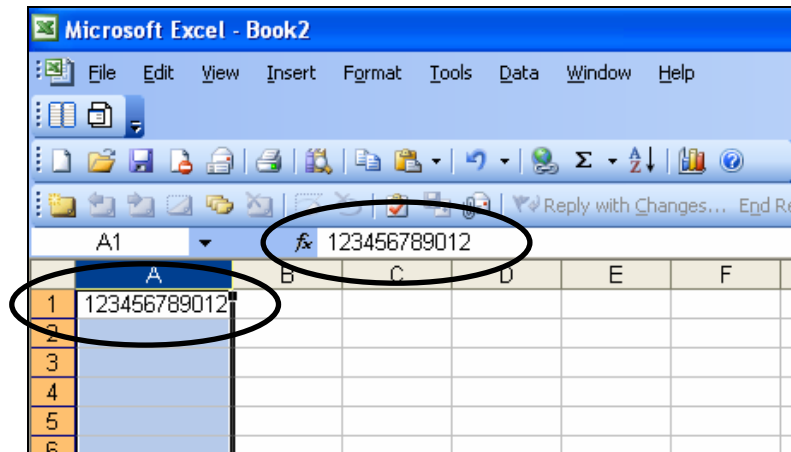
1. On the Excel spreadsheet, select column "A" (the PLU number column).
2. Choose **Cells** from the **Format** menu. The **Format Cells** dialog box displays with the **Number** tab selected. Note the the Category selected is "General".



3. Select the 'Number' category and set the Decimal places field to "0".



4. Click **OK** to save the settings. Note the large number now displays completely, without scientific notation.



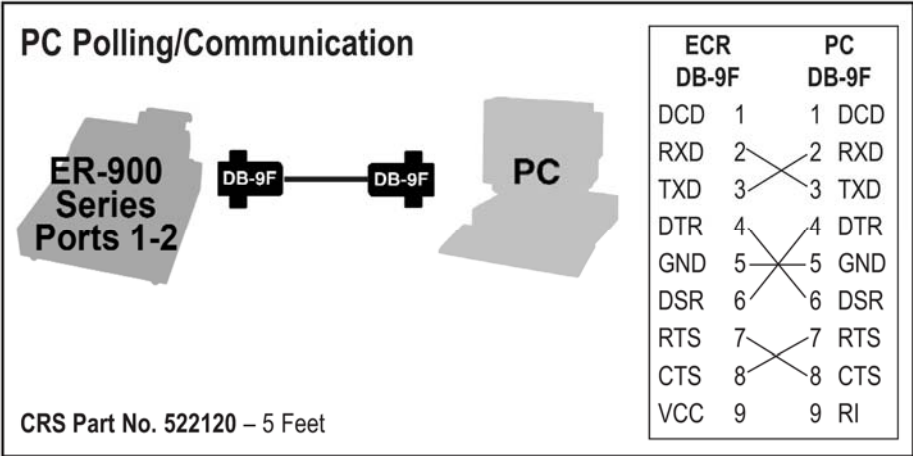


# Appendix

## Cabling Diagrams

You can configure cables yourself with the diagram provided here, or you can order the appropriate cables from CRS Parts at 1-800-333-4949.

### Direct Connection



# Manual Revision Record

| <b>Edition</b> | <b>Date published</b> | <b>Revision contents</b>        |
|----------------|-----------------------|---------------------------------|
| Prelim         |                       |                                 |
| V1.0           | 12/12/2011            | Added ViewReport Menu functions |
|                |                       |                                 |
|                |                       |                                 |
|                |                       |                                 |
|                |                       |                                 |
|                |                       |                                 |
|                |                       |                                 |
|                |                       |                                 |
|                |                       |                                 |